



*Setting standards
in analytical science*



Introduction to LGC

Bureau of Standards, Metrology & Inspection (BSMI) in Taiwan

27 May 2011

LGC vision



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**To be an international market leader
in products and services
founded on setting standards in analytical science**

LGC history



- Established nearly 170 years ago
- UK government laboratory
- Privatised in 1996
- Acquisitions include:
 - Promochem Group
 - Mikromol
 - QM / Aquacheck
 - Breitländer
 - Forensic Alliance
 - IfB
 - Focus Forensics
 - Kalagate
 - AGOWA
- Majority owned by funds managed by Bridgepoint Capital

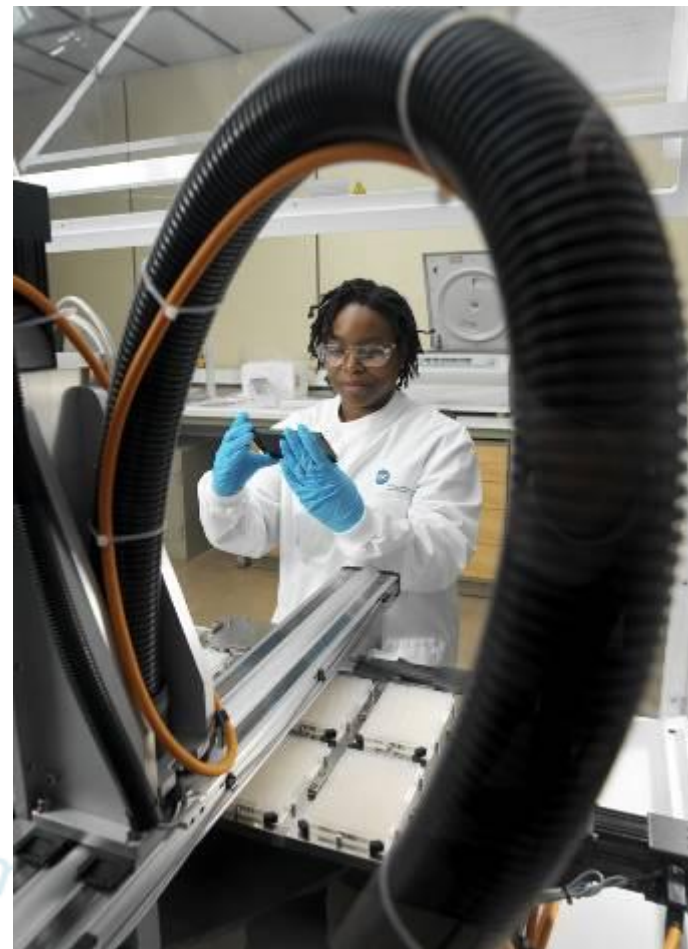


Staff (July 2010)



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	Number	%
Doctorate	160	12%
Graduate	788	59%
Non-graduate	387	29%
TOTAL	1335	100%



LGC Forensics



Traditional

- Crime scene examination
- Drugs & toxicology
- Glass & paint
- Questioned documents
- Body fluids
- Marks
- Weapons damage

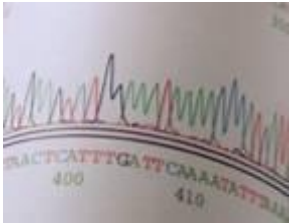
Modern

- DNA
- Ballistics & firearms
- Gun shot residues
- Computers
- Mobile phones
- Counterfeit goods
- Packaging

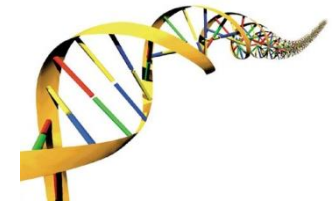
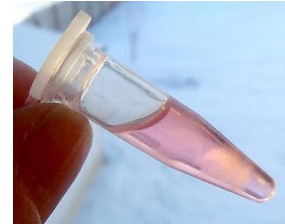
Specialist

- 'Cold case' reviews
- Entomology (insects)
- Forensic archaeology
- Incident reconstruction
- Palynology (pollen)
- Wood & vegetation

LGC Genomics



expertise • quality • service



DNA Sequencing

- Barcode sequencing
- Single read sequencing
- Primer walking projects
- MTP sequencing
96/384 well plates
- Plasmids, Plasmid DNA and PCR fragments

Next Generation Sequencing

- *De novo* sequencing
- Finishing
- Metagenomes
- Transcriptomes
- Methylation patterns
- Targeted re-sequencing
- ChIP and ncRNA sequencing

Nucleic Acid Extraction

- Products
- Patented 'magnetic separation' technology
- Automated and high throughput
- Kits & applications
- Services
- Special handling
- DNA & RNA

Specialised Services

- DNA Diagnostics
- Genotyping
- Pharmacogenetics

Research • measurement • innovation •

LGC Science & Technology



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Programme Management

- Department of Health
- BIS • RDAs • Defra
- Research management services

Regulatory laboratories

- Medicines and Healthcare products Regulatory Agency
- British Pharmacopoeia
- Government Chemist

Consumer Protection

- Government Chemist
- Food quality and safety
- Testing consumer products

Pharmaceutical Services

- Extractables and Leachables
- Particle Characterisation

Measurement Research

- UK NMI for chemical and biological metrology
- Calibration and reference materials
- Advanced Mass Spectrometry
- Protein, cell and molecular biology

Environment

- Security
- Water Quality
- Health & Safety
- 24/7 response

BSE

- Leading GB provider
- 400,000 test p.a.
- Overnight service
- Complete logistics & testing operation

Veterinary Residues

- 400 test varieties
- 35,000 test p.a.
- Drug detection in food & animal products

Pesticide Residues

- UK and non UK government
- Formulation analysis
- Research projects



LGC Standards



Global science support business, offering products and services that promote laboratory quality



Reference material distribution



Outsourcing of in-house reference standards groups



Reference material production

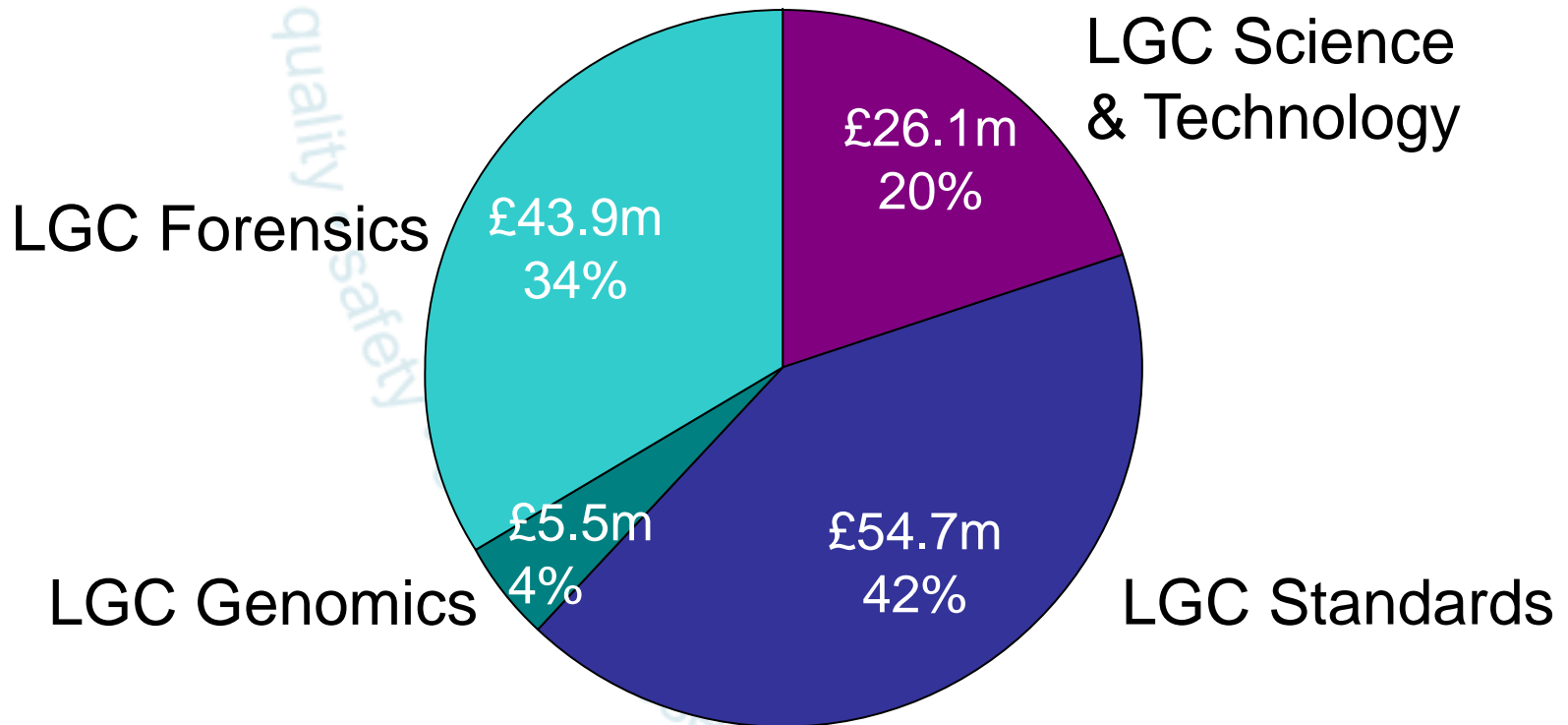


Proficiency testing schemes

Analytical quality training courses



LGC's business activities 2009/10 turnover

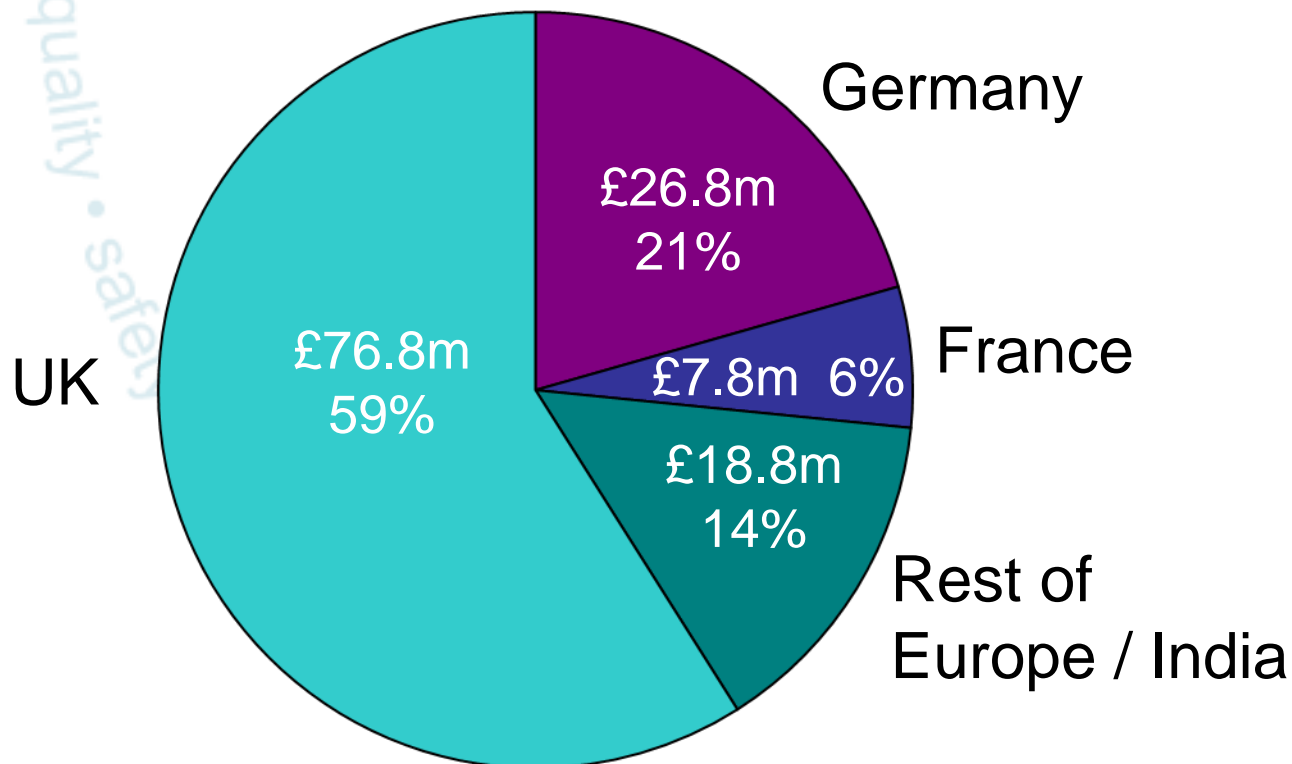


Total : £130.2m

LGC's geographical split of activities 2009/10 turnover by origin



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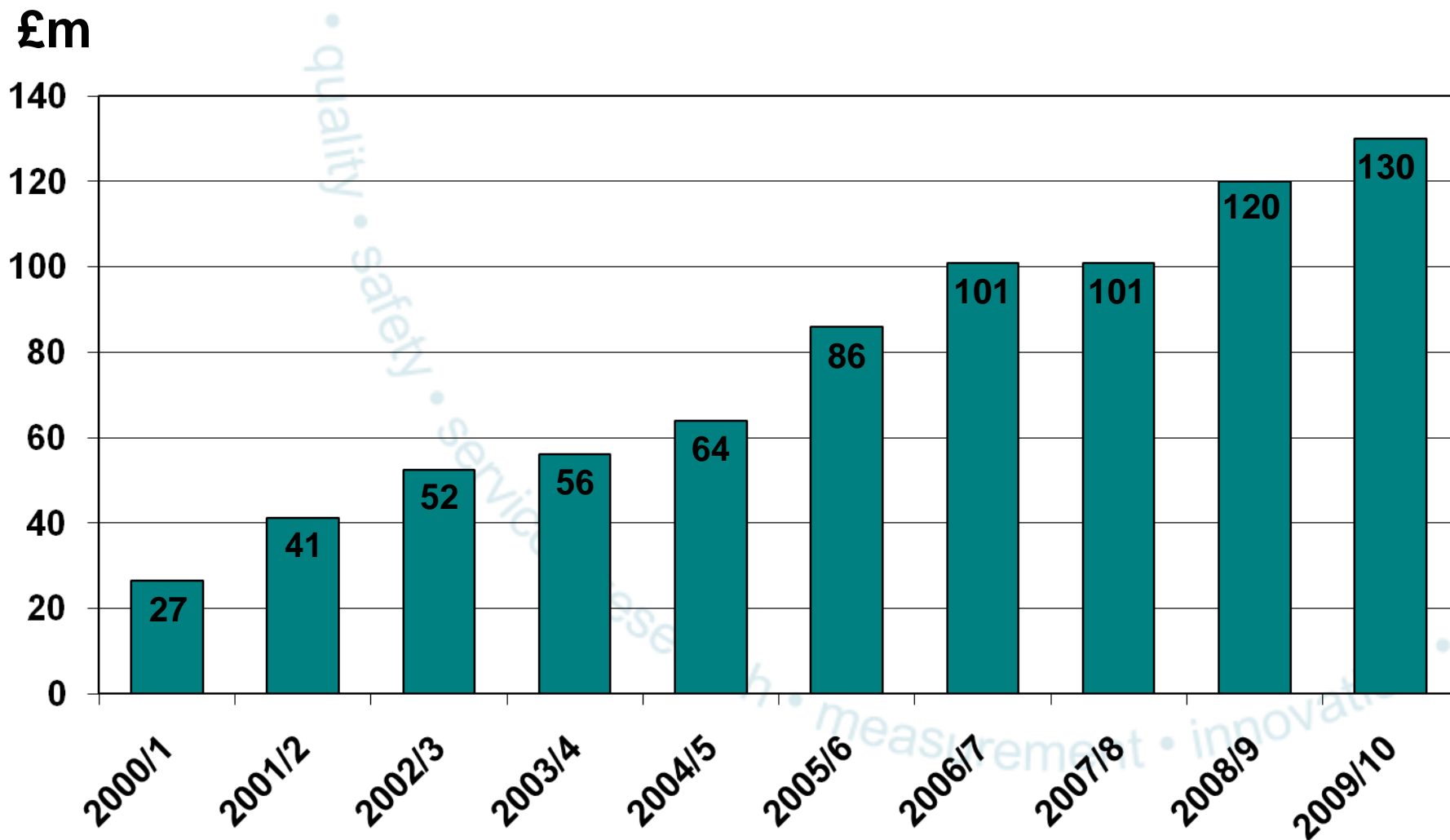


Total : £130.2m

Financial performance turnover



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LGC locations



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Executive leadership team



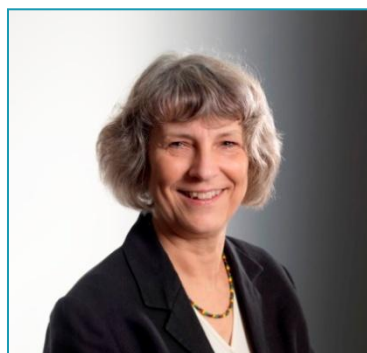
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David Richardson
Chief Executive



Simon Parsons
Finance



Vanda Skonieczna
Human Resources



Gideon Kay
IT



Euan O'Sullivan
Corporate Dev'tment



Steve Allen
LGC Forensics



Matthias Brommer
LGC Standards



Derek Craston
LGC Science & Technology
Government Chemist



John McQuillan
LGC Genomics

LGC Board



Non-Executive Directors



Graham Love, Chairman



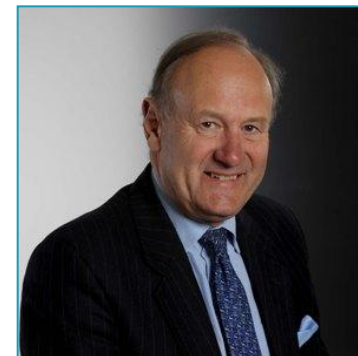
Alastair Gibbons



Chris Busby



Chris Bell



Lord Stevens

Bridgepoint

www.lgc.co.uk



Bangalore, India



Culham, UK



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Runcorn, UK



Teddington, UK



Barcelona, Spain



Luckenwalde, Germany



Wesel, Germany

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